

## Direct Lifetime Medical Costs of Treating Type 2 Diabetes

|  | Cost of one-time incidence (\$) | Annual medical cost (\$) | Study/source   |
|--|---------------------------------|--------------------------|--|
| <b>TYPE 2 DIABETES CARE</b>  |                                 |                          |  |
| <b>Medications</b>   |                                 |                          |  |
|  |                                 | 148–597 <sup>a</sup>     | Nathan (2009) <sup>25</sup><br>Alexander (2008) <sup>27</sup><br>Red Book 2010 <sup>28</sup> |
| <b>Physician visits</b>  |                                 |                          |  |
| Non–insulin users  |                                 | 477                      | National Health Interview Survey data <sup>29</sup>  |
| Insulin users  |                                 | 522                      | Medicare Fee Schedule 2012   |
| <b>Self-testing device</b>   |                                 |                          |  |
| Non–insulin users  |                                 | 90                       | National Health Interview Survey data <sup>29</sup>  |
| Insulin users  |                                 | 278                      | Red Book 2010 <sup>28</sup>  |
| <b>DIABETIC COMPLICATIONS</b>  |                                 |                          |  |
| <b>Nephropathy</b>   |                                 |                          |  |
| Microalbuminuria   |                                 | 430                      | Nichols (2011) <sup>30</sup>   |
| Macroalbuminuria/Clinical nephropathy  |                                 | 3,936                    | Nichols (2011) <sup>30</sup>   |
| End-stage renal disease  |                                 | 78,795                   | USRDS 2012 <sup>31</sup>   |
| <b>Neuropathy</b>  |                                 |                          |  |
| Peripheral neuropathy  | 523                             |                          |  |
| Diabetic foot ulcer  |                                 | 17,959                   |  |
| Initial lower-extremity amputation   | Fatal<br>Nonfatal               | 78,480<br>57,032         | O'Brien (2003) <sup>32</sup>   |
| Subsequent lower-extremity amputation  | Fatal<br>Nonfatal               | 78,480<br>57,032         |  |
| <b>Retinopathy</b>   |                                 |                          |  |
| <b>Photocoagulation</b>  |                                 |                          |  |
| Aged <65 years   | 1850                            | 686                      |  |
| Aged ≥65 years   | 1850                            | 649                      | Rein (2006) <sup>33</sup>  |
| <b>Glaucoma/blindness</b>  |                                 |                          |  |
| Aged <64 years   |                                 | 3654                     |  |
| Aged ≥65 years   |                                 | 6101                     |  |
| <b>Coronary heart disease</b>  |                                 |                          |  |
| Angina   | 8,464                           | 2187                     |  |
| Death from cardiac arrest or myocardial infarction without hospitalization           | 1,186                           |                          | O'Brien (2003) <sup>32</sup>   |
| Death from cardiac arrest or myocardial infarction within 30 days of hospitalization | 24,414                          |                          |  |
| Nonfatal cardiac arrest or myocardial infarction                                     | 42,662                          |                          |  |
| History of cardiac arrest or myocardial infarction                                   |                                 | 2,358                    |  |
| <b>Stroke, by age in years</b>   |                                 |                          |  |
| ≤44  | 81,850                          | 15,682                   |  |
| 45–54  | 81,850                          | 8,952                    |  |
| 55–64  | 81,850                          | 28,943                   | O'Brien (2003) <sup>32</sup>   |
| 65–74  | 63,374                          | 23,139                   | Taylor (1996) <sup>34</sup>  |
| 75–84  | 60,199                          | 20,084                   |  |
| ≥85  | 46,840                          | 8,788                    |  |
| <b>Cost of death, by age in years</b>  |                                 |                          |  |
| ≤74  | 19,870                          |                          |  |
| 75–84  | 17,307                          |                          | Hogan (2001) <sup>35</sup>   |
| ≥85  | 11,747                          |                          |  |

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